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10/705,188

Examiner

Shawn S. An

Applicant(s)/Patent under Reexamination

DENG ET AL.

Art Unit

2621

| <b>∠</b> | Rejected |
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| A | Appeal   |
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| O | Objected |

|          |          |                |  |          |  |  |          |                |              |          | r   |          |           |          |          |              |              | <u> </u>     |  |                     |    |
|----------|----------|----------------|--|----------|--|--|----------|----------------|--------------|----------|-----|----------|-----------|----------|----------|--------------|--------------|--------------|--|---------------------|----|
| Cla      | im       | L              |  |          | [  | Date   | €        |                | _            |          |     | Cla      | im        |          |          |              | ᅼ            | Date         | 3                                      |                     | _  |
| Final    | Original | 11/25/07       |  |          |  |  |          |                |              |          |     | Final    | Original  |          |          |              |              |              |  |                     |    |
|          | 1        | 1              | $\vdash$   | $\vdash$ | <del>                                     </del> |  | ┢        |                |              |          |     |          | 51        |          |          |              |              |              |  |                     |    |
|          | 2        | 0              | _  | $\vdash$ |  | <del>                                     </del> |          | _              |              |          | Ì   |          | 52        |          |          |              | Г            |              |  |                     |    |
| _        | 3        | ō              |  | _        |  |  | _        |                |              |          |     |          | 53        |          |          |              |              |              |  |                     | Г  |
|          | 4        | 0              |  | _        |  | Г  | _        |                |              |          |     |          | 54        |          |          |              |              |              |  |                     | Г  |
|          | 5        | ō              |  | $\vdash$ | _  |  | _        |                |              | _        |     |          | 55        |          |          |              |              |              |  |                     | Г  |
|          | 6        | ō              |  |          |  | ┢  |          |                |              |          |     |          | 56        |          |          |              |              |              |  |                     | Г  |
|          | 7        | ō              |  |          | Г  | T  | 1        |                |              |          |     |          | 57        |          |          |              |              |              |  |                     | Г  |
|          | 8        | Ī              | -  | $\vdash$ | ┰  |  |          |                |              |          |     |          | 58        | П        |          |              |              |              |  |                     | Γ  |
|          | 9        | V              |  |          |  | $\vdash$   |          |                |              |          |     |          | 59        |          |          |              |              |              |  |                     | Г  |
|          | 10       | 1              |  | T        | _  | t  | Т        |                |              |          | ll  |          | 60        |          |          |              |              |              |  | Г                   | Γ  |
|          | 11       | V              |  |          |  |  |          |                |              |          |     |          | 61        |          |          |              |              |              |  |                     |    |
|          | 12       | V              | Г  |          |  |  |          |                |              | Г        |     |          | 62        |          |          |              |              |              |  |                     |    |
|          | 13       | 0              | _  |          |  |  | 1        |                |              |          | 1   |          | 63        |          |          |              |              |              |  |                     |    |
|          | 14       | V              |  |          |  |  |          |                |              |          |     |          | 64        |          |          |              |              |              |  |                     |    |
|          | 15       | V              |  | Г        |  | Ì  |          | Π              |              |          | 1   |          | 65        |          |          |              |              |              |  |                     |    |
|          | 16       | 1              |  |          |  |  |          | Г              |              |          | 1 } |          | 66        |          |          |              |              |              |  |                     |    |
|          | 17       | V              | <del>                                     </del> |          |  |  |          |                |              |          | 1   |          | 67        |          |          |              |              |              |  |                     |    |
|          | 18       | 1              |  |          |  |  | Π        |                |              |          |     |          | 68        |          |          |              |              |              |  |                     |    |
|          | 19       | 1              | ┰  | ·        | ļ  |  |          | Г              |              |          |     |          | 69        |          |          |              |              |              |  |                     |    |
|          | 20       | 1              |  |          |  |  |          |                | Г            |          |     |          | 70        |          |          | Г            | Г            |              | ,                                      |                     |    |
|          | .21      | V              |  |          | T  |  |          |                |              |          | 1   |          | 71        |          |          |              |              |              |  |                     | Γ  |
|          | 22       | V              |  |          |  | Π  |          |                |              |          | 1 1 |          | 72        |          |          |              |              |              |  |                     |    |
|          | 23       | 1              |  |          |  |  | Г        |                |              |          | 1   |          | 73        |          |          |              |              |              |  | П                   |    |
|          | 24       | V              |  |          |  |  | Π        |                |              |          |     |          | 74        |          |          | I            |              |              |  |                     |    |
|          | 25       |                |  |          |  |  |          | Г              |              |          |     |          | 75        |          |          |              |              | L.           |  |                     |    |
|          | 26       |                |  |          |  |  |          |                |              |          |     |          | 76        |          |          |              |              | L.           | L                                      | L                   | L  |
|          | 27       |                |  |          |  |  |          |                |              |          | ]   |          | 77        |          |          |              |              | L.,          |  |                     |    |
|          | 28       |                |  |          |  |  |          |                |              |          |     |          | 78        |          |          |              |              |              |  | L                   |    |
|          | 29       | 1              |  |          |  | Π  | Γ        |                |              |          |     |          | 79        |          |          |              | L            |              |  | <u> </u>            |    |
|          | 30       | Г              |  |          |  |  |          |                |              |          |     |          | 80        |          |          |              |              | _            | _                                      | 上                   | L  |
|          | 31       |                |  |          |  |  |          |                |              |          |     |          | 81        |          |          |              |              |              |  | L.                  | L  |
|          | 32       | Γ              |  |          |  |  |          |                |              |          |     |          | 82        |          |          |              |              | L            | <u> </u>                               | 丄                   | L  |
|          | 33       |                |  |          |  |  |          |                | L            |          | ]   |          | 83        |          |          | 乚            |              |              | <u> </u>                               | _                   | L  |
|          | 34       |                |  | L.       |  |  | <u> </u> |                |              |          |     |          | 84        | <u> </u> |          | L            |              |              | _                                      | 上                   | L  |
|          | 35       |                | _  |          | <u> </u>   | _  |          |                | _            | <u> </u> | ]   |          | 85        | <u>L</u> |          | $oxed{oxed}$ | <u> </u>     | <u> </u>     |  | <u> </u>            | L  |
|          | 36       |                |  |          | L  |  |          |                | _            | <u> </u> | ]   |          | 86        |          |          |              | _            | _            |  | <u> </u>            | Ļ  |
|          | 37       | L              |  |          | <u> </u>   | <u> </u>   |          | _              |              |          | ]   |          | 87        |          |          | <u> </u>     | _            | _            | <u> </u>                               | <b>L</b>            | L  |
|          | 38       |                | _  |          | ┖  | L  | <u> </u> |                |              | <u> </u> | 1   |          | 88        |          |          |              | <u> </u>     | _            | ╙                                      | <u> </u>            | Ļ  |
|          | 39       |                |  | <u> </u> |  | L  |          | <u> </u>       |              |          |     |          | 89        |          | _        | <u> </u>     | _            | <u> </u>     | _                                      | $oxdapsymbol{oxed}$ | ╄  |
|          | 40       |                |  | L        |  | <u> </u>   |          | _              | ļ            | _        |     |          | 90        |          |          | <u> </u>     | ļ            |              | _                                      | ـــــ               | ╄  |
|          | 41       | <u> </u>       |  | <u> </u> | _  | _  | <u> </u> |                |              | <u> </u> |     |          | 91        | <u> </u> |          | _            | <u> </u>     | ļ_           | _                                      | ـــ                 | ╁_ |
| <u></u>  | 42       | _              | <u> </u>   |          | <u> </u>   | ļ  | <u> </u> | _              | <u> </u>     | <u> </u> |     |          | 92        | <u> </u> | _        | <u> </u>     | $\vdash$     | ļ_           | 1                                      | ₩                   | 1  |
|          | 43       | 1_             | <u> </u>   | <u> </u> | <del> </del>                                     | 1  | ļ        |                | <u> </u>     | <u> </u> |     |          | 93        | ļ        | $\vdash$ | <u> </u>     | <del> </del> | ⊢            |  | <del> </del>        | 1  |
|          | 44       | $\perp$        | <u> </u>   | 1        | <u> </u>   | ļ  |          | 1              | <u> </u>     | <u> </u> | -   | <u> </u> | 94        | <u> </u> | <u> </u> | <u> </u>     | _            | <del> </del> | ₩                                      | $\vdash$            | ╀  |
|          | 45       | _              | <u> </u>   | _        | 1_   | <del> </del>                                     | <u> </u> | _              | <b> </b>     | <u> </u> |     | ļ        | 95        | <u> </u> | <u> </u> | ऻ            | ₩            |              | ₩                                      | ₩                   | ╁  |
|          | 46       | 1_             |  | <u> </u> | ــــــــــــــــــــــــــــــــــــــ           | <u> </u>   | _        | <b> </b>       | ļ            | <u> </u> | 1   | ļ        | 96        | <u> </u> | <u> </u> | <u> </u>     | <del> </del> | -            | 1                                      | -                   | ╀  |
|          | 47       | 1              | 1  | <b> </b> | 1  | <u> </u>   | <u> </u> | <del> </del> _ | <u> </u>     | <u> </u> | 1   |          | 97        | _        | _        | <del> </del> | 1_           | 1            | <del> </del>                           |                     | ╄  |
| <u> </u> | 48       | <del> </del> - | 1  | 1        | -  | -  | -        | ₩              | <del> </del> | $\vdash$ | 1   | ļ        | 98        | ├-       |          | ⊢            | 1            | ├            | -                                      | $\vdash$            | +  |
| <u> </u> | 49       | -              | ├-   | ₩        | -  | 1  |          | $\vdash$       | $\vdash$     | ├        | -   |          | 99<br>100 | $\vdash$ | _        | $\vdash$     | ┼            | $\vdash$     | 1                                      | +                   | +  |
| L        | 50       | L.,            | <u></u>  | Щ        | <u> </u>   | L  |          | 1              | <u> </u>     | <u></u>  | J   | Щ.       | 1.00      |          | L        | I            | 1            | Щ            | ــــــــــــــــــــــــــــــــــــــ |                     | 丄  |

| Cla      | im       | Date           |          |          |  |          |          |          |          |          |
|----------|----------|----------------|----------|----------|--|----------|----------|----------|----------|----------|
|          |          |                |          |          | $\neg$   |          |          |          |          |          |
| Final    | Original |                |          |          |  |          |          |          | -        |          |
|          | 51       |                |          |          |  |          |          |          |          |          |
|          | 52       |                |          |          |  |          |          |          |          |          |
|          | 53       | _              |          |          |  | _        | _        |          | _        |          |
|          | 54<br>55 |                |          |          | $\dashv$   |          | _        |          |          |          |
| -        | 56       |                |          |          | $\dashv$   |          |          | $\dashv$ |          |          |
|          | 57       |                |          |          | -  |          | -        | $\dashv$ | -        | _        |
|          | 58       |                |          |          | $\vdash$   | $\neg$   |          | $\neg$   | $\neg$   |          |
|          | 59       |                |          |          |  |          |          |          |          |          |
|          | 60       |                |          |          |  |          |          |          |          |          |
|          | 61       |                |          |          |  |          |          |          |          |          |
| L        | 62       |                |          |          |  |          |          |          |          |          |
|          | 63       |                |          | ļ        |  | _        |          |          |          |          |
| <u></u>  | 64<br>65 |                | _        |          | Н  | <u> </u> |          |          |          |          |
| -        | 66       |                |          | $\vdash$ | $\vdash$   |          |          |          |          |          |
|          | 66<br>67 |                |          | ┝        |  |          | -        |          |          |          |
|          | 68       | _              |          | $\vdash$ | _  |          |          |          |          |          |
|          | 69       |                |          | Г        |  |          |          |          |          |          |
|          | 70       |                |          |          |  |          |          |          |          |          |
|          | 71       |                |          |          |  |          |          |          |          |          |
|          | 72<br>73 |                |          |          |  |          |          |          | _        |          |
|          | 73       | _              |          | _        | <u> </u>   | -        |          |          |          |          |
|          | 74<br>75 |                |          |          |  | $\vdash$ |          |          |          |          |
| -        | 76       | H              | -        |          |  | _        |          |          | _        | -        |
|          | 77       | H              |          |          |  |          | _        |          |          |          |
|          | 77<br>78 |                | $\vdash$ |          |  | _        |          |          |          |          |
|          | 79_      |                |          |          |  |          |          |          |          |          |
|          | 80       |                |          |          |  |          |          |          |          |          |
|          | 81       |                |          |          |  | _        |          |          | _        |          |
| -        | 82       | <u> </u>       |          | -        |  | _        |          | _        | <u> </u> |          |
|          | 83<br>84 | -              | $\vdash$ | $\vdash$ | -  | $\vdash$ | -        |          |          |          |
|          | 85       |                | <u> </u> | -        | H  | $\vdash$ |          | Н        | Н        |          |
|          | 86       | _              |          |          | <del>                                     </del> |          |          |          |          |          |
|          | 87       |                |          |          |  |          |          |          |          |          |
|          | 88       |                |          |          |  |          |          |          |          |          |
| <u> </u> | 89       | L              | L        | <u> </u> | <u> </u>   | <u> </u> |          | _        | L        | <u> </u> |
| <u> </u> | 90       | $\vdash$       | <u> </u> | <u> </u> | <u> </u>   | $\vdash$ |          |          | _        | <u> </u> |
| -        | 91<br>92 |                | -        | $\vdash$ | ⊢  | -        | $\vdash$ |          |          |          |
|          | 93       | <del>  -</del> | -        |          | $\vdash$   |          |          | _        | -        | -        |
| -        | 94       |                |          | $\vdash$ |  |          | $\vdash$ |          |          |          |
|          | 95       |                |          |          |  |          |          |          |          |          |
|          | 96       |                |          |          |  |          |          |          |          |          |
|          | 97       |                |          |          |  | L        |          |          |          | _        |
|          | 98       | <u> </u>       | _        | _        | 1  | <u> </u> | -        | _        | $\vdash$ | -        |
| -        | 99       | $\vdash$       | $\vdash$ | $\vdash$ |  | _        | $\vdash$ |          |          | $\vdash$ |

| Cl           | Date                            |              |               |              |  |  |              |  |            |  |
|--------------|---------------------------------|--------------|---------------|--------------|--|--|--------------|--|------------|--|
| Final        | Original                        |              |               |              |  |  |              |  |            |  |
|              |                                 |              |               | _            |  |  |              |  | -          | _  |
|              | 101                             |              |               | <u> </u>     | _  | _  |              |  | <u> </u>   | Н  |
|              | 102                             | $\vdash$     |               |              | -  | _  | _            |  | _          | $\vdash$   |
|              | 103                             | H-           |               | _            |  |  |              | _  | -          | $\vdash$   |
|              | 101<br>102<br>103<br>104<br>105 | -            | $\vdash$      |              | $\vdash$   |  |              | _  | $\vdash$   | Н  |
|              | 106                             | $\vdash$     | _             |              | $\vdash$   | _  |              |  | $\vdash$   | Н  |
|              | 107                             | -            |               |              |  | _  | $\vdash$     |  | -          | М  |
|              | 107<br>108                      |              |               |              |  |  |              |  | $\vdash$   |  |
|              | 109                             |              | $\overline{}$ |              |  |  |              |  |            |  |
|              | 110                             |              |               |              |  |  |              |  |            |  |
|              | 111<br>112                      |              |               |              |  |  |              |  |            |  |
|              | 112                             |              |               |              |  |  |              |  | <u>L</u> . |  |
|              | 113                             |              |               | _            |  | L  | L            |  |            |  |
|              | 113<br>114<br>115               |              | <u> </u>      | L_           | <u> </u>   | <u> </u>   | <u> </u>     |  | _          |  |
|              | 115                             | <u> </u>     | L             | _            |  | <u> </u>   | ļ            | <u> </u>   | <u> </u>   |  |
|              | 116<br>117                      |              | _             | ļ            | <u> </u>   | <u> </u>   |              | <u> </u>   | <u> </u>   | _  |
|              | 117                             |              | <u> </u>      | <u> </u>     | <u> </u>   |  | ļ            | <u> </u>   |            |  |
|              | 118<br>119                      |              | <u> </u>      | <u> </u>     | -  | <u> </u>   | <u> </u>     |  | ļ.,        |  |
|              | 119                             |              | _             | ┡            | <u> </u>   | -  | ⊢            |  | ├          |  |
|              | 120                             | -            | <del> </del>  |              | ⊢  | ┝  |              | -  | ├          | ⊢  |
| <b></b>      | 120<br>121<br>122<br>123        | -            | $\vdash$      | ├-           | ├  | ├  | <u> </u>     |  | ⊢          | -  |
| -            | 122                             |              | $\vdash$      | -            | -  | ⊢  | ├            | ⊢  | ├          | $\vdash$   |
|              | 124                             | ┢            |               | <del> </del> | -  | ┢  | ├            | $\vdash$   | ┼─         | H  |
|              | 125                             | -            | -             | ╁            | ├  |  | -            | ┢  | ╫┈         | $\vdash$   |
| <del></del>  | 124<br>125<br>126               | H            | <del> </del>  | ┢            | H  | ┢  | $\vdash$     | -  | ┢          | Т  |
|              | 127                             |              | $\vdash$      |              | 一  | ┪  | H            |  | <b>!</b> " | Г  |
|              | 127<br>128<br>129<br>130<br>131 |              | <u> </u>      | Г            |  |  | 一            | $\vdash$   | 1          | Г  |
|              | 129                             |              |               | T            | T  |  |              |  | T          | Π  |
|              | 130                             | Π            |               |              |  |  |              |  |            |  |
|              | 131                             |              |               |              |  |  |              |  |            |  |
|              | 132<br>133                      |              |               |              |  |  |              |  | <u> </u>   |  |
|              | 133                             | L            |               | <u>L</u>     | <u></u>  | _  |              |  | <u> </u>   | <u> </u>   |
| <u> </u>     | 134                             | ļ            | _             | <u> </u>     | L  | <u> </u>   |              | <u> </u>   | ļ          | $oxed{igspace}$                                  |
|              | 135<br>136                      | <u> </u>     | <u> </u>      | _            | _  | <u> </u>   |              | L  | ļ_         | <u> </u>   |
|              | 136                             | <u> </u>     | _             | ┡            | <u> </u>   | <u> </u>   | L            | <u> </u>   | <u> </u>   | <del> </del>                                     |
|              | 137                             | ├            | ⊢             |              | ├  | ļ  | <u> </u>     |  | ┢          | -  |
|              | 138                             | ├-           | ├             | ⊢            | ├  | <del> </del>                                     | -            |  | ├          | -  |
|              | 139<br>140                      | -            |               | -            | <del> </del>                                     | -  | $\vdash$     |  | ╁─         | ├  |
|              | 4 4 4                           | -            | ├             | ├            | ┢  | -  | <del> </del> |  | ┼          | $\vdash$   |
| <del> </del> | 141                             | <del> </del> | $\vdash$      | +            | <del>                                     </del> | ┢  | $\vdash$     |  | $\vdash$   | <del>                                     </del> |
| $\vdash$     | 143                             | $\vdash$     | $\vdash$      | +            | <del> </del>                                     | t  | ├            | <del>                                     </del> | $\vdash$   | <del> </del>                                     |
| <b> </b>     | 144                             | $t^-$        | -             | t            |  | <del>                                     </del> | $\vdash$     | -  | f          | 一  |
| <u> </u>     | 145                             | t            | $\vdash$      | $\vdash$     | T  | t  | T            | T  | ⇈          | †  |
|              | 146                             | T            | T             | 1            | 1  | <del> </del>                                     | T            | $\vdash$   | Т          | $\vdash$   |
|              | 147                             | 1            | 1             | Т            | 1  |  |              |  | T          | L  |
|              | 148                             |              |               |              |  |  |              |  | L          |  |
|              | 149                             |              |               |              |  | $\Box$   | Ľ            | Ļ  | ╚          | L  |
|              | 150                             | 1            |               | <u>L</u>     | <u> </u>   | L  | <u></u>      | L  | <u> </u>   |  |